(FILE 'HOME' ENTERED AT 21:21:38 ON 15 JAN 2008)

```
        FILE 'CAPLUS' ENTERED AT 21:21:48 ON 15 JAN 2008
L1        23259 S CRYSTAL?(10A)(ETCH? OR PATERN? OR REMOV?)
L2           42 S L1 AND BOTTLE?


        FILE 'JAPIO' ENTERED AT 21:23:45 ON 15 JAN 2008
L3            5 S L2


        FILE 'INSPEC' ENTERED AT 21:24:04 ON 15 JAN 2008
L4            6 S L2


        FILE 'USPATFULL' ENTERED AT 21:24:38 ON 15 JAN 2008
L5          277 S L1(P)BOTTL?
                 SET HIGH OFF
L6       909605 S SEMICONDUCT? OR WAFER? OR CHIP?
                 SET HIGH ON
L7           46 S L5 AND L6
L8           19 S L5(P)(PLAN? OR ?CAPACIT? OR MRAM OR SRAM OR DRAM OR
FRAM OR V
L9           29 S L5(P)(STORAG? OR STAG? OR ALTERNAT? OR EXPAND? OR
CHECKER?)
L10          14 S L5(P)(GRID? OR AXIS? OR TRENCH?)
L11          43 S L8 OR L9 OR L10
L12          31 S L7 AND L11
L13          15 S L7 NOT L12
L14          12 S L11 NOT L12
L15          12 S L14 NOT L13
```

(FILE 'HOME' ENTERED AT 20:44:17 ON 15 JAN 2008)

FILE 'CAPLUS' ENTERED AT 20:44:25 ON 15 JAN 2008
```
L1       121683 S CRYSTAL?(10A)(PLANE? OR LATTICE? OR AXIS?)
L2      1546305 S ETCH? OR PATERN? OR REMOV?
L3         1123 S L1(10A)L2
L4       807644 S ?RAM OR CAPACITOR? OR TRANSISTOR?
L5       156087 S MEMORY
L6           52 S L3 AND (L4 OR L5)
L7       438325 S STAGGER? OR CHECKER? OR ALTERNAT?
L8         5038 S L2(10A)L7
L9            0 S L6 AND L8
L10           3 S L7 AND L6
```

FILE 'JAPIO' ENTERED AT 20:46:27 ON 15 JAN 2008
```
L11       61136 S DRAM OR SRAM OR FEAM OR FERAM OR MRAM OR NRAM OR VRAM
OR RAM
L12           0 S L3 AND (CAPACITOR? OR TRANSIST? OR L11 OR L5) AND LL7
L13           0 S L3 AND (CAPACITOR? OR TRANSIST? OR L11 OR L5) AND L7
```

FILE 'INSPEC' ENTERED AT 20:48:40 ON 15 JAN 2008
```
L14           0 S L13
```

FILE 'USPATFULL' ENTERED AT 20:48:52 ON 15 JAN 2008
```
L15     1347699 S L11 OR L5 OR CAPACITOR? OR TRANSIST?
L16         211 S L3(P)L15
L17          58 S L16(P)L7
```

FILE 'CAPLUS' ENTERED AT 20:50:36 ON 15 JAN 2008
```
L18           4 S L6 AND TRENCH?
L19           4 S L18 NOT L10
```

FILE 'JAPIO' ENTERED AT 20:51:28 ON 15 JAN 2008
```
L20           0 S L3 AND (CAPACITOR? OR TRANSIST? OR L11 OR L5) AND
TRENCH?
```

FILE 'INSPEC' ENTERED AT 20:52:36 ON 15 JAN 2008
```
L21           1 S L20
```

FILE 'USPATFULL' ENTERED AT 20:52:49 ON 15 JAN 2008
```
L22          28 S L16(P)TRENCH?
L23          27 S L22 NOT L17
```

FILE 'CAPLUS' ENTERED AT 20:53:51 ON 15 JAN 2008
```
L24          39 S L3 AND (L11 OR L5 OR CAPACITOR? OR TRANSISTOR?)
L25          32 S L24 NOT (L10 OR L19)
```

FILE 'JAPIO' ENTERED AT 20:55:00 ON 15 JAN 2008
```
L26          11 S L24
```

FILE 'INSPEC' ENTERED AT 20:55:19 ON 15 JAN 2008
```
L27          23 S L24
```

FILE 'USPATFULL' ENTERED AT 20:55:46 ON 15 JAN 2008
```
L28         179 S L3(P)TRENCH?
L29           1 S L11(P)L28
L30          30 S L28(P)(TRANSIST? OR MEMOR? OR CAPACIT?)
```

```
L31          30 S L29 OR L30
L32           2 S L31 NOT (L17 OR L22)
L33          28 S L31 NOT L32
L34          28 S L31 AND (L17 OR L22)
```

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1485412	etch$ or patern$ or remov$	EPO; DERWENT	OR	ON	2008/01/16 15:18
L2	495346	crystal$	EPO; DERWENT	OR	ON	2008/01/16 15:18
L3	1220942	plane or lattice or axis	EPO; DERWENT	OR	ON	2008/01/16 15:18
L4	117867	stagger$ or checker$ or alternating	EPO; DERWENT	OR	ON	2008/01/16 15:19
L5	41101	trench$	EPO; DERWENT	OR	ON	2008/01/16 15:19
L6	1021967	capacitor or capacitance or memor$ or ram or sram or dram or nram or vram or fram or feram or eram or mram	EPO; DERWENT	OR	ON	2008/01/16 15:20
L7	89954	bottle$	EPO; DERWENT	OR	ON	2008/01/16 15:20
L8	88633	grid$	EPO; DERWENT	OR	ON	2008/01/16 15:20
L9	22488	1 with 2	EPO; DERWENT	OR	ON	2008/01/16 15:21
L10	6800	1 with 7	EPO; DERWENT	OR	ON	2008/01/16 15:21
L11	17	9 and 10	EPO; DERWENT	OR	ON	2008/01/16 15:21
L12	23943	2 with 3	EPO; DERWENT	OR	ON	2008/01/16 15:21
L13	1180	9 and 12	EPO; DERWENT	OR	ON	2008/01/16 15:21
L14	54	13 and 6	EPO; DERWENT	OR	ON	2008/01/16 15:21
L15	784	2 with 8	EPO; DERWENT	OR	ON	2008/01/16 15:22
L16	57	9 and 15	EPO; DERWENT	OR	ON	2008/01/16 15:22
L17	5	6 and 16	EPO; DERWENT	OR	ON	2008/01/16 15:22
L18	76	11 or 14 or 17	EPO; DERWENT	OR	ON	2008/01/16 15:22
L19	29	18 and h01l021$.ipc.	EPO; DERWENT	OR	ON	2008/01/16 15:23
L20	12751	1 with 5	EPO; DERWENT	OR	ON	2008/01/16 15:23

L21	183	9 and 20 and h01l021$.ipc.	EPO; DERWENT	OR	ON	2008/01/16 15:30
L22	177	21 not 19	EPO; DERWENT	OR	ON	2008/01/16 15:23
L23	56466	(1 or 2) with (3 or 4 or 8)	EPO; DERWENT	OR	ON	2008/01/16 15:24
L24	17	22 and 23	EPO; DERWENT	OR	ON	2008/01/16 15:24
L25	46	19 or 24	EPO; DERWENT	OR	ON	2008/01/16 15:30
L26	6800	1 with 7	EPO; DERWENT	OR	ON	2008/01/16 15:30
L27	22488	1 with 2	EPO; DERWENT	OR	ON	2008/01/16 15:30
L28	17	26 and 27	EPO; DERWENT	OR	ON	2008/01/16 15:30
L29	14	28 not 25	EPO; DERWENT	OR	ON	2008/01/16 15:30
L30	0	29 and h01l021$.ipc.	EPO; DERWENT	OR	ON	2008/01/16 15:31
L31	70	26 and h01l021$.ipc.	EPO; DERWENT	OR	ON	2008/01/16 15:31
L32	67	31 not (28 or 25)	EPO; DERWENT	OR	ON	2008/01/16 15:40
L33	19540	1 with "100"	EPO; DERWENT	OR	ON	2008/01/16 15:40
L34	5443	1 with "110"	EPO; DERWENT	OR	ON	2008/01/16 15:41
L35	386	33 and 34 and h01l021$.ipc.	EPO; DERWENT	OR	ON	2008/01/16 15:41
L36	383	35 not (28 or 25 or 31)	EPO; DERWENT	OR	ON	2008/01/16 15:41
L37	121	36 and (4 or 6 or 7 or storage or 2 or 8)	EPO; DERWENT	OR	ON	2008/01/16 15:43
L38	74	6 and 37	EPO; DERWENT	OR	ON	2008/01/16 15:42
L39	20	38 and (4 or 7 or storage or 2 or 8)	EPO; DERWENT	OR	ON	2008/01/16 15:45
L40	54	38 not 39	EPO; DERWENT	OR	ON	2008/01/16 15:48
L41	309	36 not 38	EPO; DERWENT	OR	ON	2008/01/16 15:48
L42	64	41 and trench$	EPO; DERWENT	OR	ON	2008/01/16 15:49

L43	2	37 and 42	EPO; DERWENT	OR	ON	2008/01/16 15:49
L44	62	42 not 43	EPO; DERWENT	OR	ON	2008/01/16 15:52
L45	245	41 not 42	EPO; DERWENT	OR	ON	2008/01/16 15:54
L46	0	6 and 45	EPO; DERWENT	OR	ON	2008/01/16 15:53
L47	967	33 with (2 or 3)	EPO; DERWENT	OR	ON	2008/01/16 15:55
L48	313	34 with (2 or 3)	EPO; DERWENT	OR	ON	2008/01/16 15:55
L49	35	45 and 47 and 48	EPO; DERWENT	OR	ON	2008/01/16 16:00
L50	210	45 not 49	EPO; DERWENT	OR	ON	2008/01/16 16:00
L51	2	50 and (47 or 48)	EPO; DERWENT	OR	ON	2008/01/16 16:00
L52	208	50 not 51	EPO; DERWENT	OR	ON	2008/01/16 16:01
L53	3	52 and storage	EPO; DERWENT	OR	ON	2008/01/16 16:01
L54	205	52 not 53	EPO; DERWENT	OR	ON	2008/01/16 16:01
L55	10	54 and (3 or 4 or 5 or 6 or 7 or 8)	EPO; DERWENT	OR	ON	2008/01/16 16:02
L56	195	54 not 55	EPO; DERWENT	OR	ON	2008/01/16 16:02